

ASUS Z790-AYW WIFI W Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1HT0-M0AAY0

Product name : Z790-AYW WIFI W

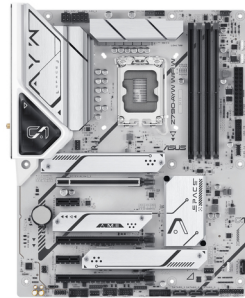
Intel Z790 Chipset, 4 x DIMM slots, Max. 192GB, DDR5 8000+, 3 x M.2 slots and 4 x SATA 6Gb/s ports

[ASUS Z790-AYW WIFI W Intel Z790 LGA 1700 ATX:](#)

ASUS Z790 series motherboards are expertly engineered to unleash the full potential of 14th Gen Intel® Core™ Processors. Boasting a robust power design, comprehensive cooling solutions and intelligent tuning options, Z790-AYW WIFI W provides users and PC DIY builders with a range of performance optimizations via intuitive software and firmware features. This platform delivers the power and connectivity that advanced AI PC applications demand.

FLEXIBILITY

Comprehensive controls form the foundation of the ASUS Z790 series. The Z790-AYW WIFI W motherboard packs flexible tools to tune every aspect of your system, enabling performance tweaks to perfectly match the way you work to maximize productivity.



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	4
Processor socket *	LGA 1700	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Compatible processor series *	Intel® Celeron®, Intel Core i3 12th Gen, Intel Core i3 13th Gen, Intel Core i3 14th Gen, Intel Core i5 12th Gen, Intel Core i5 13th Gen, Intel Core i5 14th Gen, Intel Core i7 12th Gen, Intel Core i7 13th Gen, Intel Core i7 14th Gen, Intel Core i9 12th Gen, Intel Core i9 13th Gen, Intel Core i9 14th Gen, Intel® Pentium® Gold	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
		Ethernet LAN (RJ-45) ports *	1
		HDMI ports quantity *	1
Supported processor sockets	LGA 1700	Line-in	✓
Memory		Microphone in	✓
		WiFi-AP antenna jack	1
		Network	
		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	2.5 Gigabit Ethernet
Number of memory slots *	4	Wi-Fi *	✓
Memory slots type	DIMM	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Memory channels	Dual-channel	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
ECC compatibility	Non-ECC		
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,8000 MHz	Bluetooth	✓
Supported memory clock speed (max)	8000 MHz	Bluetooth version	5.3
Maximum internal memory *	192 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	Intel Z790
Storage controllers		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Product colour	Aluminium
Supported storage drive interfaces *	M.2, SATA III	Component for *	PC
Number of HDDs supported	4	Motherboard form factor *	ATX
Number of storage drives supported	7	Motherboard chipset family *	Intel
RAID support	✓		
RAID levels	0, 1, 5, 10		
Graphics			
Parallel processing technology support *	Not supported		
On-board graphics card	✗		

Internal I/O		Features	
USB 2.0 connectors *	2	Cooling type	Active
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Windows operating systems supported	Windows 10 x64, Windows 11
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Expansion slots	
Number of SATA III connectors *	4	PCI Express x1 (Gen 4.x) slots	2
S/PDIF out connector	✓	PCI Express x16 (Gen 4.x) slots	3
Front panel audio connector	✓	Number of M.2 (M) slots	3
ATX Power connector (24-pin)	✓	1st M.2 largest key size	22110
CPU fan connector	✓	1st M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	1	2nd M.2 largest key size	2580
Number of chassis fan connectors	3	2nd M.2 highest PCI Express generation	4.0
Peripheral (Molex) power connectors (4-pin)	1	3rd M.2 largest key size	22110
EPS power connector (8-pin)	✓	3rd M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	1	BIOS	
Number of COM connectors	1	BIOS type *	UEFI AMI
TPM connector	✓	BIOS memory size	192 Mbit
Thunderbolt headers	1	Weight & dimensions	
12V power connector	✓	Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Screws included	✓

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.